McQuaid Jesuit High School
Summer Algebra

Course Description
And Syllabus

Mr. Daniel Brady
Summer 2020

ZOOM assisted Summer Algebra

This is our FIRST ever Summer Accelerated Algebra course done without face to face meetings. I have used the Distance Learning model for the past several months, both at McQuaid Jesuit high school with my six sections of CALCULUS and Algebra 2/Trig, as well as at SUNY Brockport where I teach as an adjunct. I am comfortable with using ZOOM for videoconferencing instruction. My plan for this course is to allocate time in the morning (8:30a – 9:30a) and again early afternoon (12:30p – 1:30p) for full class ZOOM sessions. The time in between, and after 130pm, will be used for students to work on assigned problems. I anticipate we will need to ZOOM 1 on 1 for a variety of reasons, and I will be available to do that during these times as well.

“The ability of a student to receive a quality education relies largely on their efforts”. This quote is amplified in the Distance Learning environment! Encourage your child to be prepared for the Zoom sessions, and to keep up the pace for the entire duration (June 22 – July 31st).
SUMMER ALGEBRA

Course Description

Summer Algebra begins a three- to four-year sequential study of college preparatory mathematics. Students will develop the ability to solve a variety of problems logically and critically. Some of the topics that will be addressed include but are not limited to: introduction to algebra; working with real numbers and polynomials including factoring; solving equations and word problems; applications of fractions; introduction to functions; systems of linear equations; inequalities; rational and irrational numbers; quadratic functions; and graphing. (1 High School credit).

Notes / Worksheets / Textbook

Students will need a notebook. They will also need a folder to keep various worksheets in. The folder and notebook can be separate or part of a combination folder with “side pockets”!

We will use the textbook quite often; both “in class” and for homework. My syllabus has MANY pages and problems listed. We will NOT be doing all of them! Nor will all of them be “required”! What they do represent is a roadmap and a guide to allow the student to reinforce material on his own, beyond that which we will do “in class”.

** I am using quotes, because you should assume “in class” translates to “on Zoom”!

The back of the textbook we will be using ALSO has an excellent resource (beginning on page 639) of additional problems, organized by Chapter. They are listed as “Extra Practice: Skills”.

** We WILL coordinate getting the textbooks to you! Not to worry!

Grading:

Four Exams: 65 % Dates TBD (but will be KNOWN in the Syllabus sent out) (These will be 1 hour exams given in class; they will mimic the Final Exam so the students become increasingly ready for that!)

FINAL EXAM: 25 % July 31st Homework / CP&C 10 % (Class Participation & Character)

Attendance

Attendance is vital to success in this class.

If you miss more than 25% of the scheduled class time, an INCOMPLETE grade will be provided and we can discuss alternative arrangements (and fees) to complete the course.
**Academic Integrity**

I expect all students to be familiar with and abide by the Academic Honesty Code. Cheating will negatively affect your grade, and action will be taken as necessary according to McQuaid Jesuit procedures. In this on-line environment, the concept of SHOWING your work becomes magnified!

**Location/dates and times Logistics**

The class will “meet” as follows each day that we have class (with the exception of 4 exam dates TBD).

- 830AM – 930AM: ZOOM session
- 930AM – 1230PM – students should be working on assigned material (not the ENTIRE time).
- 12:30PM– 130PM: ZOOM session
- 130PM: -- 1 on 1 ZOOM sessions as needed; additional work assigned

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<th>Type</th>
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<tbody>
<tr>
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<td>3 days</td>
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<td>4 days</td>
<td>July 27th – July 30th</td>
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Final Exam: Friday, July 31st 9AM – due back by 11AM

**Homework / Classwork**

- Please READ section above entitled “Notes / Worksheets / Textbook”

The Syllabus will list MANY homework assignments. These are meant to provide the student a GUIDE. That is, the student will know what material was covered and can use the textbook and the listed homework for catch-up on that material.

We will work on problems in class quite a bit. Much of the material below is for reinforcement purposes.

**SUMMER ALGEBRA**

**Course information**

**Instructor:** Mr. Daniel Brady  
**E-mail:** dbrady@mcquaid.org

**Text:** *Algebra, Structure and Method* * Book 1* McDougal Littell Inc.

(This is the only required text, and will be provided).

- I will ALSO use, and provide to the students, supplementary material throughout the course.

**Additional Materials required:** Pencils, a Notebook, and a VERY BASIC Calculator (no graphing calculator allowed; the correct one does NOT need sin, cos, and tan, but you may find one with these on it and that is ok).

- A day by day Syllabus will be handed out at the first class. This will be emailed to you BEFORE the first class as well!